

**Laura M. Luther**  
140 Chevychase Lane  
New Bloomfield, MO 65063  
(573) 491-4273

## **EXPERIENCE**

04/07- Present Missouri Department of Natural Resources, Hazardous Waste Program, Tanks Section

Remediation Unit Chief

Expert regarding the application of the MRBCA guidance document for Petroleum Storage Tanks. Department Authority of Tank Clean-up Laws and Regulations. Stakeholder Contact Regarding Petroleum Storage Tank Releases. Supervise Eight Remediation Staff and Additional Contractors. Oversee all State Lead Clean-ups of Tanks. Leader of Workgroups for Regulation Revisions. Oversee Budget for Clean-ups. Develop and Administer Training Program for Staff and Stakeholders. Oversaw 3.25 Million Dollar ARRA project. Reduced Document review time by 90 days.

09/04 – 04/07 Missouri Department of Natural Resources, Hazardous Waste Program, Tanks Section

Environmental Specialist III

Responsible for Reviewing Technical Documents Involving the Release of Petroleum Chemicals into the Environment, and the Remediation of the Release Site. Responsible for Interpreting and Applying State Regulations and Guidance as it Relates to Underground Storage Tanks and Releases of Petroleum Substances into the Environment. Interacts with DNR Field Personnel, Consultants, and Tank Owners / Operators in relation to the Regulations and Guidance. Maintained ~250 clean up sites.

07/99 – 09/04 Anderson & Associates Consulting Engineers, L.L.C. - Ozark Testing Division

Environmental Laboratory Manager

Responsible for the Operation of the Environmental Laboratory Including: Customer Service, Pricing, Sample Receiving, Sample Analysis, Reporting Results, QA/QC, Petroleum Storage Tank Remediation, Biomonitoring, Operation of AA3100 Flame and Furnace, Maintaining and Ordering Equipment and Supplies, and Employee Supervision of 3 Technical Staff.

09/93 – 06/99 Environmental Trace Substances Laboratory - University of Missouri – Rolla

Senior Laboratory Technician

Responsible for Operation of: Perkin-Elmer AA5100Z Graphite Furnace, AA3100 CVHG, Elan 5000 ICP-MS, Thermo Jarrell Ash ICP-OES, Dionex 4000I Ion Chromatograph  
Familiar with QA/QC, Acid Digestion, Homogenization, Lyophilization, Grain Sizing, Total Organic Carbon, and Organic Separations

**CERTIFICATES** EPA Hazardous Materials Training (HAZWOPR) – 40 hour

**PROFESSIONAL** ASTSWMO – LUST Task Force – 01/10 to Present

**ORGANIZATIONS** ITRC LNAPL Workgroup – 01/07 to Present

**EDUCATION** University of Missouri – Rolla, Rolla, MO May, 1993  
Bachelor of Science in Chemistry with Biochemistry Emphasis  
Minors: Biological Sciences and History

University of Phoenix Online, Phoenix, AZ May, 2006  
Masters in Adult Education and Distance Learning GPA 3.37



## Aaron Keith Clare

4818B E. Schooner Rd.  
Columbia, MO 65201  
(573) 289-8815  
aaron\_clare@hotmail.com

### Objective

To protect and enhance the environment through the environmental sciences.

### Education

University of Nebraska-Lincoln

Bachelors of Science in Horticulture 2007

Plant Pathology	Entomology	Plant Physiology
Agroecology	Chemistry	Biology
Biochemistry	Genetics	Plant Propagation

### Experience

Missouri Department of Natural Resources – Fall 2008 to present

Environmental Specialist III, Hazardous Waste Program, Tanks Section. Project Manager for leaking petroleum Underground Storage Tanks remediation. Provide guidance to environmental professionals and property owners to bring environmental cleanups of petroleum releases to closure. Work with public to answer questions pertaining to state regulations. Coordinate with other Department programs and state agencies to serve the State of Missouri and protect human health and the environment.

Seeds of Life Nursery – Spring 2007 through Fall 2008

Horticulturist, Arborist, & Landscape Foreman. Supervising up to 8 employees during landscape installation and maintenance. Maintaining Landscapes – Pruning, Chemical Application, Disease Diagnosis, Arboriculture.

Department of Agronomy and Horticulture, UNL Institute of Agricultural Sciences and Natural Resource

Wine Grape Tissue Culture Project - Fall, 2005 through Spring, 2006

Conducted research into the feasibility of surface sterilization of wine grape explant tissue. Learned sterile techniques, In vitro plant propagation, sample collecting, Data collection and interpretation, pathogen identification, treatment research, growth media preparation, interdepartmental cooperation.

Senior Independent Study - Fall, 2005 through Spring, 2007

Conducted research into the feasibility using gene sequence data from Snapdragon to design specific primers for corresponding genes in Penstemon at UNL. Extracted DNA, Designed and ordered primers for use in PCR, DNA quantification, used PCR for gene amplification, used Electrophoresis to determine product sequence length.

Performed summer field work with Penstemon at the University of Nebraska West Central Research and Extension Center. Worked closely with Faculty Plant Breeder on ongoing plant development program, Collection of plant samples from field setting, documentation of field specimens, cultivate and maintain current and new plantings.

Ray's Lawn and Home Care - Spring 2003 through Fall 2005

Landscape specialist and Crew Leader for commercial and residential mowing team

### Technology

Knowledge of:

Computer operating systems and software: PC Windows up to Windows 7, Word, Works, Excel, Power Point, Access, ARC-GIS, and Outlook

Internet Applications: GenBank and Primer3, electronic Journal searches such as Acadmic Search premier

Lab Equipment: PCR Thermal Cycler, HoeferFluorometer, Electrophoresis Apparatus, Gentra 'Puregene' DNA Isolation Kit, Laminar Flow Hood, Autoclave

## **Training**

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HAZWOPR – Last refresher 3/16/12  
Seven Habits of Highly Effective People  
Crucial Conversations – 12/3/08  
Science for Non-Scientists – 1/29/09  
Groundwater Investigations Training, Des Moines, IA – 2/24-2/26/09  
Time Reporting Training – 4/24/09  
Monitoring Well Construction training – 5/4/09  
Groundwater plume Stability Training – 6/10/09  
Vapor Intrusion Training, Columbia, MO – 6/16/09  
Vapor Intrusion Seminar, Kansas City, MO – 6/18/09  
Excel 2003 introduction, Jefferson City, MO – 6/30/09  
Working at the Speed of Trust – 7/14/09  
CPR – 10/29/09  
Chemistry for Environmental Professionals – 8/10-13/10  
Phase I & II Investigation Training, Kansas City, MO – 9/28, 29, 30/10

## **Special Projects / Volunteering**

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ARRA Leaking Underground Storage Tank Cleanup Project  
Social Committee  
Composting Committee  
Earth Day Volunteer – '09 & '10  
Lake of the Ozarks Shoreline Cleanup – Spring '09, '10, '11

References available upon request.

# **Brett Bottomley**

**7280 West Carr Lane**

**Harrisburg, MO 65256**

**(573) 999-1374**

## **Objective**

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A career that will effectively utilize my educational background and abilities to promote the growth of Missouri's resources.

## **Strengths**

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Capable of setting and achieving both short and long term goals. Highly motivated by challenge and have excellent rapport with the public. Computer literate.

## **Education**

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Southwest Missouri State University  
Springfield, Missouri  
B.S. Biological Sciences

August 5, 1994 Graduated

Education was directed into the area and field of fisheries and wildlife biology and ecology as related to environmental management.

Training Record and transcript attached

## **Experiences**

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Missouri Department of Natural Resources      December 12, 2001-Present  
Division of Environmental Quality  
Hazardous Waste Program

### Environmental Specialist

- Former Acting Unit Chief for Closure & Technology Unit for 9.5 months between 1/25/07 through 11/16/07
- Review and respond to technical reports on 60+ underground storage tank (UST) and aboveground storage tank (AST) remediation projects.
- Interpret and enforce the MDNR laws and regulations specifically for USTs and ASTs.
- Respond to questions from the public and environmental consultants regarding UST and AST regulations through correspondence.
- Introduce newly discovered UST and AST releases to the Tanks Section Remediation Unit through the review of EER Incident/Field reports, Phase II environmental assessment reports and referrals from the Closure Unit.
- Track remediation/closure of sites by inputting data into the Tanks Section database.
- Assist the Hazardous Waste Program's UST Enforcement Unit regarding the technical aspects of closure and remediation.

- Assist the Missouri Attorney General's Office in cases regarding the technical and regulatory aspects of closure and remediation of sites.

#### Environmental Specialist

- Provide technical assistance and advice for petroleum storage tank closures.
- Ability to understand and interpret data concerning soil and groundwater.
- Ability to understand and apply regulation and guidance in a consistent manner to a variety of parties.
- Member of Science for Non-Scientist Committee, develop training for those that don't have a science background
- Member of Building Safety Coordinators Committee
- Perform other duties as assigned.

#### Environmental Specialist

- Provide technical assistance and advice to generators.
- Receive all registration forms and review for completeness and correctness.
- Provide technical assistance and guidance concerning used oil management standards and requirements.
- Perform other duties as assigned.

#### Environmental Specialist

- Conduct Commercial Vehicle Safety Alliance(CVSA) standard inspections of commercial vehicles engaged in the transportation of hazardous waste.
- Perform compliance review inspections at licensed hazardous transporters and waste shippers.
- Prepare inspection reports subsequent to inspection activities.
- Conduct enforcement follow up on facilities found to be in violation of hazardous waste transporter regulations.
- Track transporter inspection activities and prepare associated monthly reports.

Columbia MFA Agri Services  
Columbia, Missouri

May 1999 – November 2001

#### Customer Consultant, Driver, Warehouse

- All product knowledge, Appearance of sales area & shelves, and ability to consult with customers to fill their needs for their farms.
- Determine the best approach for farm strategies and the best choice for achieving the customer needs.
- Sales program involvement.
- Knowledge & ability to weigh and grade grain to be bought and sold on the market.
- Ability to be a truck driver.

- Adhere to company procedures & policies including credit policy.
- Ability to perform other duties when needed.
- Also, 5 years of service with Salem MFA Agri Services helping customers with their farming needs.

Gary Pauley Construction  
Columbia, Missouri

March 1997 – April 1999

#### Foreman

- Supervision of construction crew as job required.
- Reading blueprints for residential and commercial projects.
- Proper operation and care of power and hand tools.
- Ability to perform other duties when needed.

Peterson Construction  
Springfield, Missouri

March 1995 – February 1997

#### Carpenter/Foreman

- Supervision of construction crew as job required.
- Reading blueprints for residential and commercial projects.
- Proper operation and care of power and hand tools.
- Ability to perform other duties when needed.

### **Community Service**

Youth Baseball, Basketball and Football Coach, Volunteer Hunter Safety Instructor for the Missouri Department of Conservation, which included classes on hunter safety in the city of Columbia and surrounding area. These classes occur several times a year, with several participants obtaining the instruction and information they need to be safe hunters. Volunteer with Bass-masters in teaching youth about fishing and the outdoors.

### **Honors/Activities**

As I grew up, there were many outdoor activities that I enjoyed while living on a farm such as Boy Scouts of America, Junior High football and track, Senior High football, track, weight lifting, and Future Farmers of America (FFA), Central Missouri Bassmasters secretary and treasurer. I have always enjoyed the outdoor sports of fishing and hunting. Carpentry work, from whole house construction to making fine household furnishings, is something I really enjoy.

**Brett Bottomley Training Record**

Course Title	Date To	Date From	MTR Hours	Hours	Competencies
Consolidated Jefferson City Pool Driver & Scheduler Orientation	3/29/2012		0	1	Technical Knowledge
2011 Missouri Waste Control Coalition Conference (MWCC)	6/20/2011	6/20/2011	0	8	Technical Knowledge
MAC Annual Diversity Conference	3/17/2011		7	8	Influencing, Perceptiveness, Verbal Communication, Workforce Management
Hazwoper 8-hr Refresher	3/16/2011	3/16/2011	0	8	Technical Knowledge
RISK COMMUNICATION TRNG	7/28/2010	7/28/2010	8	8	Decisiveness, Problem Solving, Strategic Thinking, Verbal Communication
MISSOURI WASTE CONTROL COALITION CONFERENCE	6/21/2010	6/22/2010	0	6	Technical Knowledge
8 HR HEALTH and SAFETY REFRESHER	4/1/2010	4/1/2010	0	8	Technical Knowledge
CPR/FIRST AID TRNG	10/22/2009	10/22/2009	0	6	Technical Knowledge
ESSENTIAL SKILLS FOR THE FIRST-TIME MANAGER	6/30/2009	6/30/2009	8	8	Workforce Management
RICKER PLUME STABILITY TRNG	6/10/2009	6/10/2009	0	6	Technical Knowledge
Workplace Awareness	6/4/2009		8	8	Accountability, Perceptiveness, Workforce Management
SAMPLING FOR HAZARDOUS MATERIALS	5/5/2009	5/7/2009	0	6	Technical Knowledge
MISSOURI MONITORING WELL CONSTRUCTION RULES TRNG	4/20/2009	4/20/2009	0	6	Technical Knowledge



2008 DEQ CONFERENCE	11/18/2008	11/19/2008	4	4	Technical Knowledge
7 Habits of Highly Effective People Signature Program	10/1/2008		14	14	Influencing, Self-Direction, Verbal Communication
DEALING WITH DIFFICULT PEOPLE	6/24/2008	6/24/2008	8	8	Mediating, Teamwork
COMMUNICATING WITH TACT and FINESSE	5/27/2008	5/28/2008	8	8	Verbal Communication
TEAM BUILDING: MENTORING and COACHING SKILLS	5/19/2008	5/19/2008	8	8	Team Work, Mentoring
HOW TO SUPERVISE PEOPLE	4/2/2008	4/2/2008	8	8	Workforce Management
EVALUATION OF INDOOR VAPOR INTRUSION PATHWAYS	1/31/2008	1/31/2008	0	6	Technical Knowledge
THE ULTIMATE SUPERVISOR	1/22/2008	1/22/2008	8	8	Workforce Management
CREATIVE LEADERSHIP	12/6/2007	12/6/2007	0	6	Workforce Management
UNACCEPTABLE EMPLOYEE BEHAVIOR	12/3/2007	12/3/2007	0	6	Technical Knowledge
MANAGING EMOTIONS UNDER PRESSURE	11/7/2007	11/7/2007	8	8	Creative Thinking, Flexibility
REAL ESTATE DEVELOPMENT and CONTAMINATED SITES	9/5/2007	9/6/2007	0	6	Technical Knowledge
ASTM PHASE I/II TRAINING	4/24/2007	4/26/2007	0	6	Technical Knowledge
8 HR HEALTH and SAFETY REFRESHER	2/20/2007	2/20/2007	0	8	Technical Knowledge
CHEMISTRY FOR ENVIRONMENTAL PROFESSIONALS	1/22/2007	1/26/2007	0	6	Technical Knowledge
POWERPOINT 2002 INTRODUCTION	12/28/2006	12/28/2006	0	6	Computer Literacy
EXCEL 2003 INTERMEDIATE	12/21/2006	12/21/2006	0	6	Computer Literacy

WORD 2003 INTRODUCTION	12/5/2006	12/5/2006	0	6	Computer Literacy
CPR and FIRST AID TRNG	11/9/2006	11/9/2006	0	6	Technical Knowledge
DATA INTERPRETATION TRNG	11/8/2006	11/8/2006	0	6	Technical Knowledge
SPILL CONTAINMENT and OVERFLOW PROTECTION	8/28/2006	8/28/2006	0	6	Technical Knowledge
UNDERSTANDING MRBCA	6/21/2006	6/22/2006	0	6	Technical Knowledge
LONG TERM MONITORING OF OPTIMIZATION FOR GROUNDWATER	6/12/2006	6/14/2006	0	6	Technical Knowledge
UNDERSTANDING MRBCA	6/7/2006	6/8/2006	0	6	Technical Knowledge
INTRODUCTION TO GROUNDWATER INVESTIGATIONS	4/24/2006	4/28/2006	0	6	Technical Knowledge
INTRODUCTORY RISK ASSESSMENT GUIDANCE FOR SUPERFUND	4/18/2006	4/20/2006	0	6	Technical Knowledge
INTRODUCTION TO RISK ASSESSMENT GUIDANCE FOR SUPERFUND TRNG	4/18/2006	4/20/2006	0	6	Technical Knowledge
AUTOMATIC TANK GAUGES: TANKS and PIPING	3/22/2006	3/22/2006	0	6	Technical Knowledge
CONCEPTUAL UNDERSTANDING OF BASIC STATISTICAL CONCEPTS	12/20/2005	12/20/2005	0	6	Technical Knowledge
BASIC SAMPLING TRAINING	12/6/2005	12/6/2005	0	6	Technical Knowledge
MEET THE MEDIA	9/15/2005	9/15/2005	8	8	Political Awareness, Verbal Communication
ARCGIS 9.1 HANDS ON WORKSHOP	9/14/2005	9/14/2005	0	6	Technical Knowledge
ORIENTATION TO QUALITY ASSURANCE	8/30/2005	8/31/2005	0	6	Technical Knowledge
HANDLING EMOTIONS	8/25/2005	8/25/2005	8	8	Flexibility, Integrity

UNDER PRESSURE					
8 HR HEALTH and SAFETY REFRESHER	2/24/2005	2/24/2005	0	8	Technical Knowledge
FISH TRNG	1/31/2005	1/31/2005	8	8	Self-Direction, Creative Thinking
Business Writing	1/20/2005	1/20/2005	8	8	Written Communication
INSPECTION and ENFORCEMENT TRNG	8/24/2004	8/24/2004	0	6	Technical Knowledge
8 HR HEALTH and SAFETY REFRESHER	2/11/2004	2/11/2004	0	8	Technical Knowledge
CARGO TANK/BULK PACKAGING	7/1/2002	7/5/2002	0	6	Technical Knowledge
GENERAL HAZARDOUS MATERIALS	6/17/2002	6/21/2002	0	6	Technical Knowledge
NORTH AMERICAN STANDARD LEVEL 1	3/18/2002	3/29/2002	0	6	Technical Knowledge
COMPLIANCE REVIEW	2/4/2002	2/15/2002	0	6	Technical Knowledge
EXCEL INTRO	1/15/2002		0	6	Computer Literacy
40 HOUR HAZWOPER COURSE	1/7/2002	1/11/2002	0	40	Technical Knowledge
Sexual Harassment	12/20/2001	12/20/2001	8	8	Perceptiveness
CULTURAL DIVERSITY AWARENESS	12/19/2001	12/19/2001	8	8	Perceptiveness
Workplace Awareness	12/18/2001		8	8	Accountability, Perceptiveness, Workforce Management
Sexual Harassment	12/2/2001		8	8	Accountability, Perceptiveness, Workforce Management

**Total:**

**161**

**455**



# Daniel Scollan

PO Box 10114  
Columbia, MO 65205  
(203) 623-9413  
[danscollan@gmail.com](mailto:danscollan@gmail.com)

## EDUCATION

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### **University of Missouri:** Columbia, Missouri 65211

- *Master of Science in Forestry*, Received May 2011
- *Graduate Certificate in Geographic Information Science*, Received December 2010
- Thesis Title: A Multi-Configuration Evaluation of the Soil and Water Assessment Tool (SWAT) in a Mixed Land Use Watershed in the Central U.S.A.
- Relevant Coursework: Watershed Management & Water Quality, Hydrologic/Water Quality Modeling, Physical Hydrology, Statistical Methods for Research, Forest Ecology, Soil Physics, Fluvial Geomorphology, Introduction to GIS, Landscape Ecology and GIS I, Remote Sensing
- Advisor: Dr. Jason Hubbart, Assistant Professor of Forest Hydrology and Water Quality, (573) 884-7732

### **Trinity College:** Hartford, Connecticut 06106

- *Bachelor of Science in Environmental Science*, Received May 2005
- Honors: Completion of *The Cities Program*, an honors gateway program in Urban Studies
- Relevant Coursework: Biology, Botany, Calculus I and II, Chemistry, Conservation Biology, Earth Science, Earth Systems Science, Ecology, Environmental Economics, Statistics, Introduction to Environmental Science, Methods in Environmental Science, Advanced Seminar in Environmental Science
- Advisor: Dr. Christoph Geiss, Associate Professor of Physics and Environmental Science, (860) 297-4191

### **Choate Rosemary Hall:** Wallingford, Connecticut 06492

- *High School Diploma*, Received June 2001

## WORK EXPERIENCE

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### **Missouri Department of Natural Resources:** Environmental Specialist II

Hazardous Waste Program, Tanks Section, Closure & Technology Unit  
1730 East Elm Street, Jefferson City, Missouri *November 2011 - Present*  
*Supervisor*: Chris Veit, (573) 526-2731  
40 hours/week, \$33420/year

- Review of technical documents and proposals received for closure, investigation, or corrective actions relating to releases from underground storage tanks
- Provide comments, project tracking, and direction for over 100 active remediation sites
- Review environmental emergency incident reports to determine what follow-up is needed
- Provide general technical support to the public and consultants regarding remediation and release issues

**U.S. Fish and Wildlife Service: Biological Science Technician (GIS) (GS-404-4)**

Student Temporary Employment Program (STEP)

101 Park DeVille Drive, Suite A, Columbia, Missouri 65203 *February 2011 – May 2011*

*Supervisor:* Joanne Grady, (303) 236-4519

5 – 20 hours/week, \$27990/year

- GIS support for prioritization of fish passage barrier removal projects in the state of Missouri
- Assisted in report preparation and development of GIS geodatabases and maps for inter-agency distribution

**U.S. Fish and Wildlife Service: Student Conservation Association Intern**

1601 Balboa Avenue, Panama City, Florida 32405 *October 2006 – July 2008*

*Supervisors:* Chris Metcalf, (850) 769-0552 x224, and Frank Parauka, (850) 769-0552 x237

40 hours/week, \$160/week

- U.S. Army Corps of Engineers funded environmental flows study of Gulf Sturgeon spawning in the Apalachicola River, Florida. Monitored and analyzed relationships between egg collection sites (GPS located) and water depth (using sonic depth finder), velocity (using current meter), and water quality parameters (using YSI 650 MDS sonde). Co-authored technical report.
- Chipola River Watershed (Alabama & Florida) threats assessment using ArcGIS 9 analysis for support of stream restoration efforts
- Sedimentation risk ranking of unpaved road-stream crossings in the Spring Creek Watershed, Georgia, using field surveys with GPS, risk ranking with a Microsoft Access database, and map generation using ArcGIS 9
- Quantification of large woody debris in relation to geomorphic stream parameters in the southeastern U.S. coastal plain hydrographic region (Alabama, Florida, and Georgia) for improvement of natural channel design stream restoration projects
- Assisted in construction of natural channel design stream restoration projects.
- Assisted in population surveys of threatened Gulf Sturgeon (*Acipenser oxyrinchus desotoi*) on Escambia and Choctawhatchee Rivers, Florida
- Assisted in survey of Bay Scallop spat population in St. Andrew's Bay, Florida.

**American Red Cross with AmeriCorps Cape Cod: Disaster Response Member**

Hyannis, Massachusetts *November 2005 – June 2006*

- Managed project to improve Cape Cod disaster plan, update sheltering agreements with local towns and emergency management officials, develop volunteers and logistical resources for community based sheltering response; assisted in development of volunteer newsletter and public preparedness communications.

## **ACADEMIC RESEARCH AND WORK EXPERIENCE**

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**Dr. Jason Hubbard, University of Missouri: Columbia, Missouri**

- *2008 to 2011:* Evaluated performance of the Soil and Water Assessment Tool (SWAT) hydrologic/water quality model in the Hinkson Creek Watershed (HCW) in central Missouri. Assisted in development of intensive network of stream monitoring stations in HCW. Coordinated streamflow field data collection; supervised and trained field technicians in streamflow data collection procedures. Developed stage-discharge rating curves at four streamflow gauging stations in the watershed.

**Dr. Christoph Geiss, Trinity College:** Hartford, Connecticut

- *2003 to 2004:* Field work in Nebraska, Iowa, and Missouri collecting soil cores across a climate gradient for use in study of soil parameter proxies for climate. Worked with partner to grind, pack and label all soil samples from field for analyses of magnetic properties. Analyzed spectrophotometer color measurements and observations of soil color in relation to climate parameters.
- *2003:* Worked with partner to construct stratigraphy of varved laminations present in glacial lake sediment from Alaska and analyze for historical temperature changes.

**Marine Sciences Research Center, Stony Brook University:** Stony Brook, New York

- *Summer 2004:* Sponsored by the National Science Foundation's Research Experience for Undergraduates (REU) program. Worked with team studying sediment cores from the Great South Bay, Long Island, New York. Individually, collected and identified mollusk shells present in the cores for study of history of the bay's ecology.

**Dr. Craig Schneider, Trinity College:** Hartford, Connecticut

- *Fall 2004:* Identified Bermuda algal specimens for Trinity College Herbarium from *Liagora* and *Ganonema* genera.

## TEACHING EXPERIENCE

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**Department of Forestry, University of Missouri:** Teaching Assistant

Columbia, Missouri *August 2010 – December 2010*

- Responsible for grading assignments, quiz development, and providing office hours in course entitled *Watershed Management and Water Quality*.

**Division of Biological Sciences, University of Missouri:** Teaching Assistant

Columbia, Missouri *August 2008 – April 2010*

- Taught two lab sections (24 students each) of *Introduction to Biological Systems* for four semesters. Gave brief lectures, quizzes, and graded laboratory assignments.

**American Red Cross, Cape Cod Chapter with AmeriCorps Cape Cod:**

Hyannis, Massachusetts *November 2005 – June 2006*

- Taught American Red Cross First Aid/CPR/AED courses and various Disaster Services courses to volunteers and the public.

## PUBLICATIONS AND PRESENTATIONS

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- D. Scollan and J.A. Hubbart. 2011. *A Multi-Configuration Evaluation of the Soil and Water Assessment Tool (SWAT) in an Urbanizing Central U.S. Watershed*. AWRA 2011 Annual Water Resources Conference – Albuquerque, NM November 2011. American Water Resources Association, Middleburg, VA  
<http://www.awra.org/annual2011/doc/abs/Scollan%20abs%20P%20rev.pdf>
- D.P. Scollan. 2011. *A Multi-Configuration Evaluation of the Soil and Water Assessment Tool (SWAT) in a Mixed Land Use Watershed in the Central U.S.A.* M.S. Thesis, University of Missouri, Columbia, MO <https://mospace.umsystem.edu/xmlui/handle/10355/11507>
- J. Grady, J. Needham, D. Gruhn, R. Preece, D. Scollan and T. Hill. 2011. *Identification of Fish Passage Barriers impacting Topeka shiners in extant watersheds and potential introduction watersheds within Missouri*. USFWS Report

- J.A. Hubbart, E.A. Bulliner, G.F. Freeman, D.P. Scollan, J. Romine, P. Chinnasamy, D. Huang, and J. Schulz. *Quantifying Contemporary Bottomland Hardwood Forest Flood Attenuation in the Central U.S.* AGU – San Francisco, CA December 2010. American Geophysical Union, Washington, DC
- D.P. Scollan and J.A. Hubbart. *A Validation Study of SWAT in an Urbanizing Multiuse Watershed in the Central U.S.* AGU – San Francisco, CA December 2009. American Geophysical Union, Washington, DC
- J.A. Hubbart, E.A. Bulliner, G.W. Freeman, P. Chinnasamy, G.W. Hosmer, D.P. Scollan, and T.D. Stokely. *Investigating Land-Use Effects on Hydrologic Processes and Water Quality in a Complex Hydro-Region of the Central United States.* AGU – San Francisco, CA December 2009. American Geophysical Union, Washington, DC
- J.M. Hemming, P.V. Winger, H. Rauschenberger, K. Herrington, P. Durkee, and D. Scollan. 2008. *Water and Sediment Quality Survey of Threatened and Endangered Freshwater Mussel Habitat in the Chipola River Basin, Florida.* *Endangered Species Research* 6:95-107 <http://www.int-res.com/articles/esr2008/6/n006p095.pdf>
- D. Scollan and F.M. Parauka. 2008. *Documentation of Gulf Sturgeon Spawning in the Apalachicola River, Florida, Spring 2008.* USFWS Report [Weblink](#)
- D. Scollan. 2006. *Beyond Organic: Discovering the Secrets of Biodynamic Foods.* *E: The Environmental Magazine* 17: (1) 42-43 <http://www.emagazine.com/archive/3011>

## SKILLS AND CERTIFICATIONS

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- Current 40-Hour HAZWOPER certification
- Completed EPA - Environmental Response Training Program courses *Chemistry for Environmental Professionals – Fundamentals* and *Chemistry for Environmental Professionals – Applied*
- Proficiency in ESRI ArcGIS 9 geographic information systems software; XTools Pro and Hawth's Tools 3<sup>rd</sup> party ArcGIS software extensions
- Proficiency in Microsoft Access, Excel, Word, PowerPoint
- Beginning level user of Origin 8.5 data analysis and graphing software
- Completed USFWS course GIS Introduction for Conservation Professionals
- Attended 2008 USFWS Region 4 GIS Training Workshop including courses on Spatial Analyst, ArcPad, Geodatabases, and Hawth's Tools/XTools
- Experienced user of Garmin, Magellan, and Trimble GPS devices
- Field measurement of stream discharge using Marsh-McBirney Flo-Mate via wading and bridge methods
- Water quality parameter (temperature, conductivity, pH, dissolved oxygen, salinity) measurement using YSI 650 MDS meter
- Experienced in aquatic biota (fish) sampling techniques including PIT and floy tagging, gill netting, drift netting, seining, and electrofishing
- ATV Safety Institute certified
- Experienced driving 4WD vehicles
- Stream surveying using laser level and transit
- Attended *Introduction to Stream Restoration Workshop Using Natural Channel Design Techniques* hosted by U.S. Fish and Wildlife Service, University of Florida, Three Rivers RC&D, and Florida Sea Grant



## PROFESSIONAL ASSOCIATIONS

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- *American Geophysical Union*, September 2008 to present
- *American Society of Agricultural and Biological Engineers*, January 2009 to present
- *American Water Resources Association*, September 2008 to present



Valerie Garrett  
141 N. Moonglow Lane  
Columbia, MO 65201

#### Educational Record

1970-1974 Stockton High School, Stockton, MO  
1974-1978 University of Missouri – Columbia, Mo. School of Forestry, Fisheries and Wildlife  
Received a BS Degree in Wildlife Management

#### Work Experience

2008-Present MDNR - Hazardous Waste Program, Tanks Section  
Position: Technical Environmental Specialist IV, Senior Project Manager  
Job Duties: Serve as project manager for 30 of the more complex tanks remediation sites. Serve as the technical expert to support the section and to train new employees. Conduct outside training at conferences and workshops for consultants and owners and operators of petroleum storage tank systems. Keep abreast of emerging technologies and issues related to the remediation of petroleum release sites.

2007-2008 MDNR - Hazardous Waste Program, Tanks Section,  
Position: Environmental Specialist III, Remediation Project Manager  
Job Duties: Coordinate and direct the cleanup of leaking petroleum storage tank sites to ensure compliance with all applicable requirements of the Missouri Petroleum Storage Tank laws, regulations and the Missouri Risk-Based Corrective Action Guidance document. Conduct review of technical reports on site characterization activities, remediation activities. Conduct meetings between the Department, the responsible party, their consultant and PSTIF to resolve issues relating to the cleanup.

2000-2007 MDNR - Solid Waste Management Program, Enforcement Section  
Position: Environmental Specialist III, Enforcement Case Manager  
Job Duties: Coordinate enforcement actions necessary to resolve violations of the Missouri Solid Waste Management Law and regulations. Calculate penalties. Prepare letters and draft settlement agreements. Schedule and attend meetings with responsible parties to negotiate resolution of violations. Assist the Attorney General's Office in litigation of civil lawsuits. Conduct training on landfill operations and the requirements of the Solid Waste Management Law and regulations for certification of Landfill Operators.

1997-2000 MDNR - Hazardous Waste Program – Tanks Section  
Position: Environmental Specialist III, Remediation Project Manager  
Job Duties: Coordinate and direct the cleanup of leaking petroleum storage tank sites. Conduct review of technical reports on site characterization and remediation activities. Prepare letters directing additional work or preparing No Further Action letters as appropriate. Provide information to the public and interested parties on petroleum storage tank sites and the remediation of petroleum releases.

<p>1991-1997</p> <p>Position:</p> <p>Job Duties:</p>	<p>MDNR – Hazardous Waste Program, Superfund Section, Dioxin Unit</p> <p>Environmental Specialist III, Project Manager</p> <p>Coordinate the cleanup of dioxin sites in Missouri. Coordinate the review and comment on technical documents relating to remedial investigations, feasibility studies, records of decision, and remedial design. Attend public meetings. Conduct inspections of dioxin storage sites.</p>
<p>1989-1991</p> <p>Position:</p> <p>Job Duties:</p>	<p>MDNR – Water Pollution Control Program, Enforcement Section</p> <p>Environmental Specialist II, Enforcement Case Manager</p> <p>Coordinate enforcement actions as necessary to resolve violations of the Missouri Clean Water Law, including drafting abatement orders, permit denial orders, and settlement agreements. Assist the Attorney General's Office in litigation of civil lawsuits. Give sworn testimony in depositions and at court hearings/trials as needed.</p>
<p>1987-1989</p> <p>Position:</p> <p>Job Duties:</p>	<p>MDNR – Jefferson City Regional Office, Water Pollution Control Unit</p> <p>Environmental Specialist II</p> <p>Wrote NPDES permits, conducted inspections of wastewater treatment facilities, and conducted complaint inspections. Wrote Letters of Warning and Notices of Violation as necessary to address violations of the Missouri Clean Water Act.</p>
<p>1985-1987</p> <p>Position:</p> <p>Job Duties:</p>	<p>MDNR – Macon Regional Office, Water Pollution Control Unit</p> <p>Environmental Specialist I/II</p> <p>Wrote NPDES permits, conducted inspections of wastewater treatment facilities, and conducted complaint inspections. Wrote Letters of Warning and Notices of Violation as necessary to address violations of the Missouri Clean Water Act.</p>
<p>1984-1985</p> <p>Position:</p> <p>Job Duties:</p>	<p>MDNR – Environmental Services Program, Field Services Section</p> <p>Laboratory Technician</p> <p>Assisted Environmental Specialists with environmental emergency response activities and field sampling activities at hazardous waste sites, and wastewater treatment facilities. Cleaned and maintained sampling equipment. Ordered and purchased supplies.</p>

## Specialized Training

June 4-8, 1984	Personnel Protection & Safety, EOA (40 hr)
July 3, 1985	Wastewater Laboratory
1987	Dale Carnegie/Customer Relations & Employee Development
March 5, 1987	NPDES Permit Writers Course, EPA
July 13, 1987	Wastewater Treatment, Level D
December 16, 1987	Advanced Wastewater Treatment (Levels A & B)
1991	CERCLA Orientation, EPA
April 24, 1991	Grammar, Usage and Business Writing Skills
June 12, 1991	Case Management for Regulators
1993	Hazmat Refresher (8 hr)
May 20, 1993	Inspection & Enforcement Training
October 23, 1995	Hazmat Refresher (8 hr)
May 20, 1997	AST System Fuel Quality Seminar
July 14-15, 1997	Cathodic Protection, EPA
July 29, 1997	Site Remediation with ORC
September 1997	Solvency Training/Lust Trust Fund Cost Recovery, EPA
March 10, 1998	Hazmat Refresher (8 hr)
April 7-9, 1998	Introduction to Groundwater Investigations, EPA
February 25, 1999	Hazmat Refresher (8 hr)
July 28, 1999	Lotus Notes Basic E-mail and Calendaring
March 8, 2000	Orientation to Quality Assurance, EPA
March 9, 2000	Systematic Planning Process & Quality Assurance Project Plans, EPA
March 15, 2000	Hazmat Refresher (8 hr)
May 12-14, 2001	Solid Waste Technician Training (Landfill Operator Training)
May 1, 2003	Presentation Skills for the Non-Presenter
April 15, 2004	Business Writing
June 22-25, 2004	Communication Skills for Regulatory Inspectors
September 4, 2004	Meet the Media Training
November 3-4, 2004	Municipal Solid Waste Transfer Station Operators Training
July 20, 2005	The Art of Successful Interviewing
February 15-17, 2006	Sanitary Landfill Design
April 18, 2006	Influencing for Win-Win Outcomes
December 4-8, 2006	Basic Criminal Enforcement Investigations, EPA
May 2-4, 2007	Introductory Risk Assessment Guidance for Superfund, EPA
July 13, 2007	Restricted Monitoring Well Contractor Permit Training
September 5-6, 2007	Real Estate Development & Contaminated Sites, EPA
September 11-13, 2007	Introduction to Groundwater Investigations, EPA
November 15-16, 2007	Assessment & Remediation of Oxygenates Training
December 5, 2007	7 Habits of Highly Effective People
January 31, 2008	Evaluation of Indoor Inhalation Pathway, RAM Group
March 18, 2008	Hazmat Refresher (8 hr)
April 9-10, 2008	Implementing the MRBCA Process
November 6, 2008	Assessing Vapor Intrusion Risk at Tank Sites Workshop
May 1, 2008	Missouri State Employee Retirement System Seminar

April 28, 2009	Hazmat Refresher (8 hr)
May 7, 2009	TRANSCAR Training at Laddonia Ethanol Production Plant
June 10, 2009	Ricker Plume Stability Method Training
June 17, 2009	Soil Vapor Sampling Training
June 18, 2009	Vapor Intrusion, Regulations, Monitoring, Management & Mitigation
July 14, 2009	Working at the Speed of Trust
July 20, 2009	Workplace Awareness Training
April 1, 2010	Hazmat Refresher (8 hr)
July 29, 2010	Missouri State Employee Retirement System Seminar
March 15, 2011	Hazmat Refresher (8 hr)

## EXPERIENCE

### Missouri Department of Natural Resources

Jefferson City, MO

2007-Present

Environmental Specialist – Project Manager in the Remediation Unit of the Tanks Section of the Hazardous Waste Program; duties include implementation of risk evaluation and remediation under the Department's Missouri Risk-Based Corrective Action Guidance Document for Petroleum Storage Tanks. Responsibilities include document and file review, ability to communicate verbally and in writing, field investigation, and the ability to coordinate and provide technical assistance or guidance pertaining to leaking UST requirements and/or releases.

### Missouri Farm Bureau Federation

Jefferson City, MO

2001-2007

Membership Clerk – Duties include updating membership database, working daily and monthly reports, compiling spreadsheets, adjusting payment activity on accounts, processing refunds, updating intranet and internet websites, and assisting County Offices, agents, and members via phone calls and e-mails. In addition, my responsibilities included working with Young Farmers and Ranchers and the Foundation for Agriculture, and becoming involved in the legislative issues and policies of interest to Federation Members.

### Missouri Department of Natural Resources

Jefferson City, MO

1995-2000

Environmental Specialist – Asbestos Unit of the Enforcement Section in the Air Program; investigated complaints and enforced air quality regulations for the State, approved individual asbestos certifications as asbestos company registrations, inspected asbestos worksites, worked with Attorney General's Office to negotiate settlements between the State and accused violators, worked with the EPA, and dealt extensively with the public.

### City of Jefferson – Environmental Services

Jefferson City, MO

1992-1995

Environmental Sanitarian – Investigated complaints and enforced city environmental regulations, such as the Outside Storage Ordinance and dumping regulations, and issued summons to appear in court; worked with Public Works with sewage issues, and inspected itinerant retail food facilities.

### Callaway, Montgomery & Audrain Health Departments

Fulton, MO

1988-1991

Multi-County Environmental Sanitarian – Inspected retail and wholesale food establishments for compliance with local and state health regulations. Also, worked with homeowners to develop the type of sewage system that would work with their soils, and the proper size of the system needed for their family; collected both private and public water samples, and investigated both dumping and sewage violations on a complaint basis.

## EDUCATION

University of Missouri-Columbia  
Bachelor of Science in Biology

Lincoln University in Jefferson City  
Bachelor of Science in Agriculture  
Major in Natural Resource Mgmt





**Title:** President of Lott's Creek Forestry, Inc., Wooldridge, Mo  
4/2003 - 11/2007

**Duties:** Provide management for a private business employing three to nine full-time employees including work load scheduling, payroll, and accounting. Besides conducting the day-to-day activities for the business, other duties include contract procurement and contract management.

**Languages:** Written and Spoken English

Vincent Allen Henry  
54817 Ridge Road, Wooldridge, Missouri 65287  
Phone: (573) 808 -2334  
E-Mail: [Henrysssster@aol.com](mailto:Henrysssster@aol.com)

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**Education:**

Elementary and High School      North Harrison R-III  
Eagleville, Mo.  
**Graduated May of 1991**

College      University of Missouri - Columbia  
School of Natural Resources  
Degree:      BS - Forest Resource Management  
**Graduated December Of 1996**

141 Semester Hours  
GPA: 2.19 out of 4.0

Relevant

Course work:      Forest Resource Management  
Wildlife Conservation I  
Natural Resource Management and Water Quality  
Statistical Analyses  
Forest Ecology and Management  
Introductory Speech and Communication  
Environmental and Natural Resource Law

**Experience:**      State of Missouri, Missouri Department of Natural Resources,  
DEQ,HWP, Tanks **11/2007 – Present**

Title:      Environmental Specialist III

Duties:      Provide oversight for ongoing clean-up activities associated with petroleum based releases at underground petroleum storage tank sites. Correspond with property owners, environmental consultants, state agencies, the Missouri Petroleum Storage Tank Insurance Fund, and the general public regarding environmental issues that are associated with underground petroleum storage tank sites. Other duties as assigned by my direct supervisor.

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**Languages:** Written and Spoken English

**Christopher J. Veit**  
12240 County Road 4037  
Holts Summit, MO 65043  
Phone: 573-291-0944

## **Employment History**

### **Missouri Department of Natural Resources**

#### **11/2007 – Present Unit Chief of the Closure, Release and Investigations Unit Environmental Specialist IV**

- Review, comment on and/or revise draft outputs of the Unit and Section staff
- Attend internal/external technical and administrative coordination meetings
- Assess Unit-specific equipment and training needs
- Ensure timely and adequate updates of Section activities via use of the Tanks database
- Respond timely to project status-related inquiries
- Supervise development, maintenance and revision of the Tanks Section Policy and Procedures Manual.
- Monitor statutory, regulatory and policy changes
- Meet with Unit and Section staff to promote a team approach
- Oversee and assist in development, review and/or modification of State/EPA budget and work plans
- Environmental Services Program QA/QC Project Plan
- Division of Geology and Land Survey Work Plan
- Division of Environmental Quality Strategic plan
- Support development, refinement and consistent implementation of Missouri's Risk-Based Corrective Action process
- Supervise 5 Environmental Specialist I/II/III's
- Develop and communicate performance objectives
- Coach, evaluate and appraise Section Staff performance

#### **4 /2005 – 11/2007 Environmental Specialist III**

- RCRA Enforcement case manager
- Coordinate cases with the Attorney General's office
- Inspection data entry into the Fees and Taxes and RCRA Info databases
- Conduct hazardous waste generator inspections
- Coordinate and develop inspections procedures
- Implemented the use of tablet computers during inspections
- Missouri Environmental Management Partnership team member
- Used oil management coordinator
- Provided compliance assistance for hazardous waste issues

#### **1/2005 – 4/2005 Environmental Specialist III**

- Tanks remediation project manager
- Review remediation project correspondence
- Provided compliance assistance to the regulated community

#### **04/2001 – 12/2004 Environmental Specialist I/II**

- Enforcement tank inspector/case manager
- Perform tank compliance inspections
- Compliance assistance to the regulated community
- GPS data collections
- Implemented inspection procedures
- Coordinate cases with the Attorney General's office

#### **Lincoln University**

#### **4/1990 – 4/2001 Boiler Operator**

- Operated and maintained all campus boilers
- Performed water tests to ensure boiler water and cooling system chemical protection levels. Added chemicals as necessary
- Maintained campus steam tunnel system
- Assisted campus electrician, plumber and HVAC technicians as needed
- Prepped boiler systems for annual insurance inspections
- Acting Lead Boiler Operator
- Coordinated and planned 24/7 boiler operations

#### **United States Navy**

#### **3/1984 – 3/1990 Boiler Technician Petty Officer Second Class E-5**

- Operated and maintained ships boilers and related systems
- Performed boiler water tests and maintained boiler water chemistry
- Supervised fireroom personnel for day to day operations
- Developed and implemented valve maintenance programs
- Qualified messenger to Boiler Operator of the Watch
- Served on damage control teams

#### **Education**

B.S. in Agriculture with an emphasis in Natural Resources, Lincoln University, 1998

Numerous Navy schools

Certified Pipe Welder, Tulsa Welding School 1982